

NOVEMBER/DECEMBER 2025

**FEBC64/CEBC64 — PHARMACEUTICAL
BIOCHEMISTRY (Elective III)**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. How are drugs distributed in the body?
2. Explain the term antagonist.
3. What are sulpha drugs?
4. Explain the term LD₅₀.
5. What are antiulcer drugs?
6. Show the drugs for Irritable bowel syndrome.
7. What is unani medicine?
8. List the significance of amla.
9. What are glycosides?
10. Explain Chemotherapy.



SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL the questions.

11. (a) Identify the action of cytochrome p450.

Or

- (b) Organize the importance of Prodrug concept.

12. (a) Identify the importance of IC_{50} .

Or

- (b) Construct a note on Drug tolerance.

13. (a) Examine the role of sulphonylureas.

Or

- (b) Analyse the role of sulphonamides as antibacterial drug.

14. (a) Analyse the medicinal properties of Neem.

Or

- (b) Examine the medicinal properties of turmeric.

15. (a) Organize the functions of flavonoids.

Or

- (b) Identify the biological importance of alkaloids.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain the various types of receptors.

17. Explain the role of liposomes and nanoparticles in drug delivery.

18. Explain the Mechanism of action of drugs used to treat GI tract disorder.

19. Elaborate on the plants used in traditional medicine.

20. Discuss on the biological analysis of active compounds using HPLC.

